

AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior listings and versions:

1 to 56. (canceled).

57. (currently amended): A cell comprising a complex between
a ~~non-naturally occurring~~ zinc finger protein comprising 3 or more zinc finger
domains, wherein the zinc finger domains comprise a non-naturally occurring recognition
helix and

chromosomal cellular chromatin;

wherein the zinc finger protein is bound to a target site in a region of the cellular
chromatin that is sensitive to digestion with DNaseI.

58-67. (canceled)

68. (previously presented): The cell of claim 57, wherein the zinc finger protein
is encoded by a nucleic acid introduced into the cell.

69. (previously presented): The cell of claim 57, wherein the cell is a plant cell.

70. (previously presented): The cell of claim 57, wherein the cell is an animal
cell.

71. (previously presented): The cell of claim 57, wherein the cell is a human cell.

72-90. (canceled)

91. (withdrawn) A method for forming a cell comprising a complex according to
claim 57, wherein the method comprises:

(a) identifying a region of the cellular chromatin that is sensitive to
digestion with DNaseI;

(b) identifying a target site for the zinc finger protein within the region
that is sensitive to digestion with DNaseI; and

(c) introducing the zinc finger protein into the cell;
whereby the zinc finger protein binds to the target site.

92-95. (canceled).

96. (withdrawn) The method according to claim 91 wherein the zinc finger protein is encoded by a nucleic acid introduced into the cell.

97. (withdrawn) The method according to claim 91, wherein the cell is a eukaryotic cell.

98. (withdrawn) The method according to claim 97, wherein the cell is a plant cell.

99. (withdrawn) The method according to claim 97, wherein the cell is a mammalian cell.

100. (withdrawn) The method according to claim 99, wherein the cell is a human cell.

101. (withdrawn) The method according to claim 91, wherein the binding site is in a coding region.

102. (withdrawn) The method according to claim 91, wherein the binding site is in a non-coding region.